

Moeller, Jason W - DNR

From: KOLODZIEJ, JOHN [kolodzie@co.door.wi.us]
Sent: Monday, May 16, 2011 3:40 PM
To: Moeller, Jason W - DNR
Cc: Bob Kufrin (rlkufrin@sisterbay.com)
Subject: Door County Highway Department - Sister Bay salt storage facility

Jason and Bob,

As you requested the following is an update on our Sister Bay facility salt storage case.

1. Door County has removed soil material at sampling site 8 which had high concentrations of sodium and chlorides. This material was disposed of at the old Door County landfill site. A total of 56 cubic yards was removed from this location. At sampling site 8 the hole was filled with breaker run because it was under the new paved surface.
2. The County has completed asphalt paving of the larger parking/work area.
3. The detention basin has been completed per plan including the placement of clay liner. Final Seeding of the area has yet to be completed.
4. The drainage patterns have been modified so that stormwater runoff from the salt handling area is directed into the detention basin over a paved surface.
5. Snow plowing patterns were modified so that crews no longer pushed snow from the salt loading ramp onto the area near sampling site 12. Snow was pushed to the west so that as it melted it drained into the detention site.
6. Crews were instructed to institute better housekeeping measures and clean up salt spillage that occurs during loading operations. This effort was initiated as part of the 2010-2011 winter season.
7. The salt storage facility has been completed and has been in use since December 2009. This facility eliminated the need for outside storage of sand that contained 10% salt to prevent it from freezing.
8. Door County continues to provide bottled water to the residence at 10392 STH 57.
9. Door County had the shop water sampled for sodium concentrations on August 19, 2010. The sodium concentration was 212.3 mg/l. This level was slightly lower than the sodium concentration of 226 mg/l taken on July 16, 2009.

Additional steps planned to implemented.

1. During the next 1 to 2 months, have water samples taken from the County Shop, the residence at 10397 STH 57, and the residence at 10363 STH 57, and have analysis completed for Chloride and Sodium concentrations. Door County intends to continue the annual sampling on these three sites to determine how remediation, runoff improvements, and handling measures have impacted the wells.
2. During the next 2-3 weeks complete the seeding around the detention pond.
3. Remove material from sampling site 12. This site has not been completed to date due to conflicts with an electrical line that runs through the proposed excavation. This work is scheduled to be completed in the next 1-2 months. Material again will be removed to the Door County landfill site and filled with suitable material.

If you should have any questions, please do not hesitate to contact my office.

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